

Hydrologic Model Manager

Short Name	RAFLER
Long Name	Molular Kinematic
Description	
Model Type	
Model Objectives	To calculate monthly stream flow from rainfall data
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Tech Contact	P.O. Box 277, WITS, 2050 South Africa Prof. D. Stephenson
Model Structure	Hydrodynamic, kinematic
Interception	
Groundwater	
Snowmelt	
Precipitation	
Evapo-transpiration	
Infiltration	
Model Paramters	Geometry, soils permeabilities, cover
Spatial Scale	Variable
Temporal Scale	Variable : 1 hr- 1 day as a rule
Input Requirements	Catchments and stream characteristics, rain (monthly)
Computer Requirements	Pentium
Model Output	Tables of hydrographs
Parameter Estimatr Model Calibrtn	Minimal, generally permeability
Model Testing Verification	Done in South Africa, but easy to adopt
Model Sensitivity	To time scale
Model Reliability	Once time scale is optimized, ± 20 of inaccuracy
Model Application	Southern Africa
Documentation	See references in book
Other Comments	1. Written in Visual Basic 2. Can also calculate soil erosion rates
Date of Submission	5/11/2001 7:46:44 AM
Developer	
Technical Contact	
Contact Organization	